



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038393	MEC002-VU	1	1	Net 30	M7075T73R1.000	7075-T73 Round Bar 1.00" MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 ROUND BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 receive ft				36	11/30/2017	36		S014617	Stock	11/28/2017	\$ 8.25 / ft	0		\$297.00	Metaux Castle
Total:										36		36								\$297.00	

Plex 11/28/2017 9:13 AM Dart.Plouffe.Sonia

Status: Receiving  
Part: **M7075T73R1.000**  
Created: 11/28/17 9:12 AM DART.PLOUFFE.S  
  
Serial No: **S014617**



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1


Shipment No: 3445432

<b>Ship From:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 24-NOV-17	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid		<b>Carrier</b> MANITOU LIN	<b>BOL No</b> 3445432-2		

<b>Shipment Details</b>		<b>Final Destination Branch - TOR</b>	
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<b>Order No</b> 4959463	<b>Line No</b> 1	<b>Item No</b> 8741	<b>Description</b> 1.0000.RD.7075.T7351.ALUMINUM.CF.144.0000 SPECIFICATIONS: AMS-QQ-A-225/9	
<b>Purchase Order No</b> 38393	<b>Part Number</b>		<b>Ordered Qty</b> 36.00 FT	<b>Invoice Qty</b> 36.0000 FT

<b>Details</b> ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX: HEAT #'S Email P/s and certs to: clavoie@darlaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS				
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<b>Delivery No.</b> 121433695	<b>Mill/Source</b> ARCONIC INC	<b>Heat Number</b>  MA201710311	<b>Mech Id</b> 3	<b>Width (IN)</b>	<b>Length (IN)</b> 144.0000	<b>Shipped Qty (LBS)</b> 34.2000
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We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A. M. Castle & Co. within 60 days of the shipment. Material supplied by the customer cannot be returned for credit.	
<b>Reviewed by Authorized Castle Metals Representative:</b>	<b>Date:</b> NOV 24 2017

### Castle Metals

HEAT NUMBER: MA20171031  
MECHANICAL ID: \_\_\_\_\_  
ITEM CODE: 8741  
PO/LINE NUMBER: 438822  
RECEIPT NUMBER: \_\_\_\_\_  
SUPPLIER: ARCONIC  
SPECIFICATION: \_\_\_\_\_  
LCS: NO  
COMMENT: \_\_\_\_\_  
APPROVED: AMB

15718117  
0507-74

**Arconic Inc.**  
**ARCONIC EDGINGS AND EXTRUSIONS**



Govt. Contract No.

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, or as previously agreed to with customer and that company representative of the material met the composition limits and have the mechanical properties shown on the face of this sheet. Manufactured under a quality management system registered to ISO/AS9100. Initialed and manufactured in the USA.

Joseph M. Viano, Quality Manager

BOL 000165218  
QRR

## TEST REQUIREMENTS

TEST REQUIREMENTS									
Test	Test	Test	Test	Test	Test	Test	Test	Test	Test
U.T.S.	T.Y.S.	%Elong	Elong						
Mod:	67.9								
Min:	68.0	10.0	38.0						

Test Results	No. of Tests	Total		Total		Total		Total		Total		Total	
		U.T.S.	T.Y.S.	%Elong	Cond								
Max:	3	74.4	63.7	15.0	39.5								
Min:		72.8	61.0	15.0	39.2								

When 2 or more tests per lot are made, the highest and lowest values are reported. Analysis obtained from one or more samples in this lot.

### **TEST ABBREVIATIONS**

%Elong	Elongation % in 2"
0	0
10	10
20	20
30	30
40	40
50	50
60	60
70	70
80	80
90	90
100	100

Aluminum Association Chemical Composition limits (in Weight %)

	%SI	%FE	%CU	%MN	%MG	%CH	%ZN	%TT	%Others	%Others	%AL	
MAX	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15	Ram	
MIN			1.2		2.1	0.18	5.1		Each	Total		

LOT/WORK ORDER		%SI	%FE	%CU	%MN	%MG	%CN	%ZN	%TI	%OE	%OT	%AL
MAX	0.08	0.15	1.6	0.02	2.6	0.20	5.9	0.03	LT 0.05	LT 0.15		
MIN	0.08	0.14	1.6	0.01	2.5	0.19	5.7	0.03				

**Input Source: Massena** DFANS 252-225-7001 (Buy American Act)  
Material compliant with Mercury is not a harmful contaminant in aluminum alloys and neither is it any of its compounds. One used in the manufacture of our product?

# Certified Inspection Report

10/18/17  
0930+3a

Arconic Inc.  
ARCONIC FORGINGS AND EXTRUSIONS  
45 County Route 42, Massena, NY 13662



Customer:  
*Castle A M & Co*

Customer P.O. No.  
*438822*

Customer Part No.  
*18741*

Arconic Order No.  
*MMC-C4120-001*

Govt. Contract No.

Notes (continued)  
This alloy meets the requirements of EU 2011/65/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075T73R1.000

PO / BATCH NO.: 038393/5014617

DATE: NOV 30 2017

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 36"  
 QUANTITY INSPECTED: 36"  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	<u>Ams-QQ-A-225/9</u>
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	<u>Heat # MA20171031</u>
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>rd</u> <u>KB</u>		SIGNED OFF BY: <u>KB</u>	
DATE: <u>NOV 30 2017</u>		DATE: <u>12-11-30</u>	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

**DART**



DESIGN #	DRAWN BY #	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. <b>M7075T73B</b>	REV. <b>A</b> SHEET <b>1</b> OF <b>1</b>
DATE <b>01.06.08</b>		TITLE <b>7075-T73 BAR</b>	SCALE <b>NTS</b>
<b>A</b>	<b>01.06.08</b>	<b>NEW ISSUE</b>	

PURCHASE MATERIAL: 7075-T73 (OR 7075-T7351/T73510/T73511) BAR  
PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 (AMS 4124)  
OR AMS-QQ-A-250/12 (AMS 4078)

PART NUMBER: M7075T73B | T.TTT | x | WW.WWW | WHERE T.TTT = THICKNESS (IN INCHES)  
| THICK | | WIDTH | WW.WWW = WIDTH (IN INCHES)  
EG. 2.5" x 3.25" BAR = M7075T73B2.500 x 03.250

**RELEASED**  
01.06.15 #

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Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO038393

**Supplier:** MEC002-VU  
Metaux Castle  
P.O. Box 4090 Stn A  
Toronto  
ON  
M5W OE9 Canada

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO038393

**PO Date:** 11/17/17

**Due Date:** 11/30/17

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**Via:** Ground

**Pytm Terms:** Net 30

**Freight Terms:**

**Special Comments:**

**E-MAILED**  
NOV 17 2017

### Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M7075T73R1.000	-	7075-T73 Round Bar 1.00 : MATERIAL: 7075-T73 OR 7075- T7351/T73510/T73511 ROUND BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 receive ft		Firmed	11/30/17	36 ft	0 ft	36 ft	\$8.25/ft	\$297.00
											36 ft
											SEP 11 28
											Grand Total:
											\$297.00

### Order Notes

#### Procurement Quality Clauses

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 11/17/17 10:04 AM dart.lavoie.chantal